IN THE CLAIMS:

The following is a complete listing of the claims. Please amend the claims as follows:

1. – 11. **(Cancelled)**.

12. **(Currently Amended)** An engine mounting system for use in rotorcraft having a rotor, a pylon assembly, a transmission coupled to the pylon assembly, and an engine, the engine mounting system comprising:

a forward mount for coupling the engine to the transmission, the forward mount having selected physical characteristics and comprising:

an annular base portion configured for coupling to the engine, the annual base portion having a first outside diameter;

an annular top portion configured for coupling to the transmission; and

an annular flexure region disposed between the annular base portion and the annular top portion, the annular flexure region comprising:

a first part having a second outside diameter that is less than the first outside diameter; and

a second part forming a transition in outside diameter between the second outside diameter and the first outside diameter; and

an aft mount for coupling the engine to the pylon assembly;

wherein the forward mount is configured, such that ~~the~~ a contribution from the engine to the dynamic response of the engine mounting system is determined by ~~the~~ a selected physical characteristics of the flexure region;

wherein the aft mount comprises:

a bipod disposed in a plane generally transverse to the longitudinal axis of the engine;

wherein the aft mount is configured to avoid reaction of torque, such that only the forward mount reacts torque, thereby eliminating torsional redundancy in the engine mounting system, so as to thereby prevent torque from the rotor from being induced into the engine by the aft mount.

13. **(Cancelled)**.

14. **(Original)** The engine mounting system according to claim 12, wherein the forward mount defines a housing for an engine torquemeter.

15. **(Previously Presented)** The engine mounting system according to claim 12, wherein the annular flexure region further comprises:

a selected slope in the second part forming the transition between the first and second outside diameters; and

a wall thickness of the annular forward mount.

16. **(Cancelled).**

17. **(Cancelled).**

18. **(Currently Amended)** The engine mounting system according to claim ~~16~~ 12, wherein the aft mount further comprises:

at least one pylon mounting bracket disposed on the pylon assembly;

at least one engine mounting bracket disposed on the engine;

wherein the bipod comprises:

~~a plurality of~~ two rigid links, each link being pivotally coupled to the pylon mounting bracket, ~~and being disposed in a plane generally transverse to the longitudinal axis of the engine,~~ such that the links form a focal point located near the longitudinal axis of the engine.

19. **(Currently Amended)** The engine mounting system according to claim ~~16~~ 12, wherein the aft mount is attached to the pylon assembly at two points and pivotally attached to the engine at one point~~, such that the aft mount forms a bipod assembly disposed in a plane generally transverse to the longitudinal axis of the engine~~.